

INFORMATION DISCLOSURE CITATION IN AN APPLICATION Form PTO-1449	Docket Number	Application Number
	23453-009	09/321,743
	Applicant(s)	
	Lee C. HAROLD <i>et al.</i>	
	Filing Date	Group Art Unit
	May 28, 1999	2176

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
25	1A	4,156,868	05/29/79	Levinson			
	1B	4,554,418	11/01/85	Toy			
	1C	4,757,525	07/12/88	Matthews et al.			
	1D	4,788,643	11/29/88	Trippe et al.			
	1E	4,811,379	03/07/89	Grandfield			
	1F	4,812,843	03/14/89	Champion, III et al.			
	1G	4,837,798	06/06/89	Cohen et al.			
	1H	4,868,866	09/19/89	Williams, Jr.			
	1I	4,941,168	07/10/90	Kelly, Jr.			
	1J	4,942,616	07/17/90	Linstroth et al.			
	1K	4,953,085	08/28/90	Atkins			
	1L	4,972,504	11/20/90	Daniel, Jr. et al.			
	1M	4,989,141	01/29/91	Lyons et al.			
	1N	5,021,953	06/04/91	Webber et al.			
	1O	5,101,352	03/31/92	Rembert			
	1P	5,128,861	07/07/92	Kagami et al.			
	1Q	5,168,445	12/01/92	Kawashima et al.			
	1R	5,187,735	02/16/93	Herrero Garcia et al.			
	1S	5,189,608	02/23/93	Lyons et al.			
	1T	5,204,821	04/20/93	Inui et al.			
	1U	5,214,689	05/25/93	O'Sullivan			
	1V	5,235,680	08/10/93	Bijnagat			
25	1W	5,237,499	08/17/93	Garback			

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	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations	
							YES	NO
25	1X	0878948	11/18/98	Europe				
25	1Y	0889627	01/07/99	Europe				

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25	1Z	Relational OLAP Server, MicroStrategy; DSS Server Brochure, 1996.						
25	1AA	"Andyne Introduces Greater Flexibility for Database Queries; New Query Management Option Provides Enhanced Management for Enterprise-Wide Queries," <i>Business Wire</i> , January 3, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .						
25	1BB	CATALANO, Carla, "OLAP, Scheduling, Tuning for DBMSs," <i>Computer World</i> , April 1, 1996. Available in DOW JONES INTERACTIVE, http://www.dowjonesinteractive.com .						
25	1CC	Andyne's Intranet Strategy Brings DSS to the Web; Company Aims to Dramatically Broaden Scope of Reporting, Online Analysis," PR Newswire, September 18, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .						
25	1DD	SACHS et al., "A First Step on the Path to Automated Flight Reservations," <i>Interactive Voice Technology for Telecommunications</i> , 1996.						

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<i>HA</i>	2A	5,270,922	12/14/93	Higgins			
	2B	5,371,787	12/06/94	Hamilton			
	2C	5,404,400	04/04/95	Hamilton			
	2D	5,406,626	04/11/95	Ryan			
	2E	5,444,768	08/22/95	Lemaire <i>et al.</i>			
	2F	5,479,491	12/26/95	Herrero Garcia <i>et al.</i>			
	2G	5,500,793	03/19/96	Deming, Jr <i>et al.</i>			
	2H	5,502,637	03/26/96	Beaulieu <i>et al.</i>			
	2I	5,524,051	06/04/96	Ryan			
	2J	5,555,403	09/10/96	Cambot <i>et al.</i>			
	2K	5,572,643	11/05/96	Judson			
	2L	5,572,644	11/05/96	Liaw <i>et al.</i>			
	2M	5,576,951	11/19/96	Lockwood			
	2N	5,577,165	11/19/96	Takebayashi <i>et al.</i>			
	2O	5,590,181	12/31/96	Hogan <i>et al.</i>			
	2P	5,604,528	02/18/97	Edwards <i>et al.</i>			
	2Q	5,630,060	05/13/97	Tang <i>et al.</i>			
	2R	5,638,424	06/10/97	Denio <i>et al.</i>			
	2S	5,638,425	06/10/97	Meador, III <i>et al.</i>			
	2T	5,664,115	09/02/97	Fraser			
	2U	5,689,650	11/18/97	McClelland <i>et al.</i>			
	2V	5,701,451	12/23/97	Rogers <i>et al.</i>			
<i>RA</i>	2W	5,706,442	01/06/98	Anderson <i>et al.</i>			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>HA</i>	2X	BENNACEF <i>et al.</i> , "Dialog in the RAILTEL Telephone-Based System," <i>Spoken Language</i> , 1996
<i>HA</i>	2Y	BROOKS, Peter, "Targeting Customer," DBMS, v9, n13, December 1996, pages 54-58.
<i>HA</i>	2Z	"Sterling Software Announces Alliance with Thinking Machines," <i>Business Wire</i> , December 16, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .
<i>HA</i>	2AA	GUPTA <i>et al.</i> , "Index Selection for OLAP," <i>Proceedings of the 13th International Conference on Data Engineering</i> , © 1997
<i>HA</i>	2BB	HO <i>et al.</i> , "Partial-Sum Queries in OLAP Data Cubes Using Covering Codes," <i>PODS'97 Tucson, AZ USA</i>
<i>HA</i>	2CC	KILMARTIN <i>et al.</i> , "Real Time Stock Price Distribution Utilising the GSM Short Messaging Service," 1997 IEEE International Conference on Personal Wireless, 1997, Abstract.

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21	3A	5,710,889	01/20/98	Clark et al.			
	3B	5,712,901	01/27/98	Meermans			
	3C	5,715,370	02/03/98	Luther et al.			
	3D	5,717,923	02/10/98	Dedrick			
	3E	5,721,827	02/24/98	Logan et al.			
	3F	5,724,410	03/03/98	Parvulescu et al.			
	3G	5,724,525	03/03/98	Beyers, II et al.			
	3H	5,732,216	03/24/98	Logan et al.			
	3I	5,732,398	03/24/98	Tagawa			
	3J	5,737,393	04/07/98	Wolf			
	3K	5,740,429	04/14/98	Wang et al.			
	3L	5,740,829	04/21/98	Jacobs et al.			
	3M	5,742,775	04/21/98	King			
	3N	5,751,790	05/12/98	Makihata			
	3O	5,751,806	05/12/98	Ryan			
	3P	5,754,858	05/19/98	Broman et al.			
	3Q	5,754,939	05/19/98	Herz et al.			
	3R	5,757,644	05/26/98	Jorgensen et al.			
	3S	5,758,088	05/26/98	Bezaire et al.			
	3T	5,758,351	05/26/98	Gibson et al.			
3U	5,761,432	06/02/98	Bergholm et al.				
3V	5,764,736	06/09/98	Shachar et al.				
3W	5,765,028	06/09/98	Gladden				

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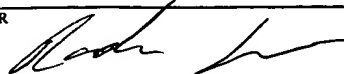
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3X	Data Warehousing: Data Access and Delivery, Infobase Technology Database, 1997, http://www.dbaint.com/oldinfobase/dwaccdel.html .
3Y	GARDNER, Dana Marie, "Cashing in With Data Warehouses and the Web," Data Based Advisor, v15, n2, February 1997, pages 60-63.
3Z	Intrepid Systems Announces General Availability of DecisionMaster 4.1; Retailing's Premier Decision Support Software Enhancements Automate Information Delivery," Business Wire, May 27, 1997. Available in DOW JONES INTERACTIVE, http://www.dowjonesinteractive.com .
3AA	Blue Isle Software InTouch/2000 Product Overview, Blue Isle Software, Inc. (archived July 7, 1997), http://www.blueisle.com . Available in Internet Archive Waybackmachine http://www.archive.org .

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<i>LS</i>	4A	5,771,172	06/23/98	Yamamoto et al.			
	4B	5,771,276	06/23/98	Wolf			
	4C	5,781,735	07/14/98	Southard			
	4D	5,781,886	07/14/98	Tsujiuchi			
	4E	5,787,151	07/28/98	Nakatsu et al.			
	4F	5,787,278	07/28/98	Barton et al.			
	4G	5,790,936	08/04/98	Dinkins			
	4H	SIR H1743	08/04/98	Graves <i>et al.</i>			
	4I	5,793,980	08/11/98	Glaser et al.			
	4J	5,794,246	08/11/98	Sankaran et al.			
	4K	5,797,124	08/18/98	Walsh et al.			
	4L	5,799,063	08/25/98	Krane			
	4M	5,799,156	08/25/98	Hogan et al.			
	4N	5,802,488	09/01/98	Edatsune			
	4O	5,802,526	09/01/98	Fawcett et al.			
	4P	5,806,050	09/08/98	Shinn et al.			
	4Q	5,809,415	09/15/98	Rossmann			
	4R	5,809,483	09/15/98	Broka et al.			
	4S	5,819,220	10/06/98	Sarukkai et al.			
	4T	5,819,293	10/06/98	Comer et al.			
	4U	5,825,856	10/20/98	Porter et al.			
	4V	5,832,451	11/03/98	Flake et al.			
<i>LS</i>	4W	5,838,252	11/17/98	Kikinis			

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<i>LS</i>	4X	"Blue Isle Software Teams with Arbor Software to Deliver Automated Systems Management Capabilities for Arbor Essbase," <u>Business Wire</u> , October 29, 1997. Available in LEXIS, Nexis Library, ALLNWS file.
<i>LS</i>	4Y	"Early Warning: Compulogic's Dynamic Query Messenger," <u>Software Futures</u> , November 1, 1997. Available in LEXIS, Nexis Library, ALLNWS file.
<i>LS</i>	4Z	KILMARTIN <i>et al.</i> , "Development of an Interactive Voice Response System for a GSM SMS Based Share Price Server," DSP '97 Conference Proceedings, December 1997, Abstract.
<i>LS</i>	4AA	AVNUR <i>et al.</i> , "CONTROL: Continuous Output and Navigation Technology with Refinement On-Line," © 1998

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M	5A	5,838,768	11/17/98	Sumar et al.			
	5B	5,848,397	12/08/98	Marsh et al.			
	5C	5,850,433	12/15/98	Rondeau			
	5D	5,852,811	12/22/98	Atkins			
	5E	5,854,746	12/29/98	Yamamoto et al.			
	5F	5,864,827	01/26/99	Wilson			
	5G	5,864,828	01/26/99	Atkins			
	5H	5,867,153	02/02/99	Grandcolas et al.			
	5I	5,870,454	02/09/99	Dahlen			
	5J	5,870,724	02/09/99	Lawlor et al.			
	5K	5,870,746	02/09/99	Knutson et al.			
	5L	5,872,926	02/16/99	Levac et al.			
	5M	5,878,403	03/02/99	DeFrancesco et al.			
	5N	5,884,262	03/16/99	Wise et al.			
	5O	5,884,266	03/16/99	Dvorak			
	5P	5,884,285	03/16/99	Atkins			
	5Q	5,884,312	03/16/99	Dustan et al.			
	5R	5,890,140	03/30/99	Clark et al.			
	5S	5,893,905	04/13/99	Main et al.			
	5T	5,907,598	05/25/99	Mandalia et al.			
5U	5,907,837	05/25/99	Ferrel et al.				
5V	5,911,135	06/08/99	Atkins				
5W	5,911,136	06/08/99	Atkins				

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5X	LIANG et al., "Computing Multidimensional Aggregates in Parallel," 1998 International Conference on Parallel and Distributed Systems, IEEE
5Y	FRIEL et al., "An Automated Stock Price Delivery System Based on the GSM Short Message Service, ICC'98 1998 IEEE International Conference on Communications, 1998, Abstract.
5Z	"Information Advantage Wins Product of the Year Award for Knowledge Management," Business Wire, March 4, 1998. Available in LEXIS, Nexis Library, ALLNWS file.
5AA	EMIGH, Jacqueline, "Information Builders, Inc. Launches WebFocus Suit," Newbytes, March 10, 1998. Available in Northern Light, http://www.northernlight.com , Doc. ID BS19980311010000172.

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	6A	5,913,202	06/15/99	Motoyama			
	6B	5,914,878	06/22/99	Yamamoto et al.			
	6C	5,915,001	06/22/99	Uppaluru			
	6D	5,915,238	06/22/99	Tjaden			
	6E	5,918,217	06/29/99	Maggioncalda et al.			
	6F	5,918,225	06/29/99	White et al.			
	6G	5,918,232	06/29/99	Pouschine et al.			
	6H	5,920,848	07/06/99	Schutzer et al.			
	6I	5,923,736	07/13/99	Shachar			
	6J	5,924,068	07/13/99	Richard et al.			
	6K	5,926,789	07/20/99	Barbara et al.			
	6L	5,931,900	08/03/99	Notani et al.			
	6M	5,933,816	08/03/99	Zeanah et al.			
	6N	5,940,818	08/17/99	Malloy et al.			
	6O	5,943,399	08/24/99	Bannister et al.			
	6P	5,943,410	08/24/99	Shaffer et al.			
	6Q	5,945,989	08/31/99	Freishtat et al.			
	6R	5,946,666	08/31/99	Nevo et al.			
	6S	5,948,040	09/07/99	DeLorme et al.			
	6T	5,950,165	09/07/99	Shaffer et al.			
	6U	5,953,392	09/14/99	Rhie et al.			
	6V	5,956,693	09/21/99	Geerlings et al.			
	6W	5,960,437	09/28/99	Krawchuk et al.			

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6X	MICROSTRATEGY: DSS Broadcaster - The Industry's First Information Broadcast Server, M2 Presswire, March 20, 1998. Available in DOW JONES INTERACTIVE http://www.djinteractive.com
6Y	MICROSTRATEGY: DSS Broadcaster - The Industry's First Information Broadcast Server, March 23, 1998. http://strategy.com/newsandevent/New/PressRelease/1998/broadcaster.htm .
6Z	"MSNBC on the Internet Launches New Traffic Section; MSNBC.com and Sidewalk.com Team with TrafficStation for Production of Comprehensive Site for Drivers," <i>Financial News</i> , Redmond, Wash., April 15, 1998.
6AA	"System for Telephone Access to Internet Applications - Uses Dial Tones and/or Voice with Interactive Voice Response Unit to Pass Request to Processor that Converts Requests to Communication Protocol Command Set," IBM, Patent No. RD 98412088. July 20, 1998, Abstract.

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<i>LL</i>	7A	5,963,641	10/05/99	Crandall et al.			
	7B	5,970,122	10/19/99	LaPorta et al.			
	7C	5,970,124	10/19/99	Csaszar et al.			
	7D	5,974,406	10/26/99	Bisdikian et al.			
	7E	5,978,766	11/02/99	Luciw			
	7F	5,978,796	11/02/99	Malloy et al.			
	7G	5,983,184	11/09/99	Noguchi			
	7H	5,991,365	11/23/99	Pizano et al.			
	7I	5,995,945	11/30/99	Notani et al.			
	7J	5,996,006	11/30/99	Speicher			
	7K	5,999,526	12/07/99	Garland et al.			
	7L	6,003,009	12/14/99	Nishimura			
	7M	6,009,383	12/28/99	Mony			
	7N	6,011,579	01/04/00	Newlin			
	7O	6,012,066	01/04/00	Discount et al.			
	7P	6,012,083	01/04/00	Savitzky et al.			
	7Q	6,014,427	01/11/00	Hanson et al.			
	7R	6,014,428	01/11/00	Wolf			
	7S	6,014,429	01/11/00	LaPorta et al.			
	7T	6,016,335	01/18/00	Lacy et al.			
	7U	6,016,336	01/18/00	Hanson			
	7V	6,016,478	01/18/00	Zhang et al.			
	7W	6,018,710	01/25/00	Wynblatt et al.			
	7X	6,021,181	02/01/00	Miner et al.			
<i>LL</i>	7Y	6,021,397	02/01/00	Jones et al.			

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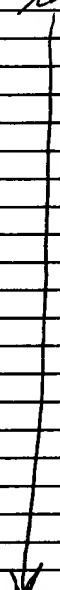
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<i>LL</i>	TZ	Computer Telephony, from www.telecomlibrary.com - 9/9/99
<i>LL</i>	7AA	"Traffic Station Extends Service to Six New Markets in North America, Reaching its Goal of 20 Markets by the New Millennium," <u>Business Editors/Multimedia & Transportation Writers</u> , Los Angeles, December 23, 1999.
<i>LL</i>	7BB	Traffic Station Corporate Information, http://www.trafficstation.com/home/corporate.html , January 10, 2001.
<i>LL</i>	7CC	Newswire, "Net Phones to Outsell Laptops by 2002", 02 December 1998, Dialog File #03635692.
<i>LL</i>	7DD	RCR Radio Communications Report, "Comverse Developing Unified Applications for GSM Smartphone Marketplace", 23 February 1998, V. 17, No. 8, page 106, Dialog File #02078693.

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	8A	6,023,714	02/08/00	Hill et al.			
	8B	6,026,087	02/15/00	Mirashrafi et al.			
	8C	6,031,836	02/29/00	Haserodt			
	8D	6,038,561	03/14/00	Snyder et al.			
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	8O	6,151,582	11/21/00	Huang et al.			
	8P	6,151,601	11/21/00	Papierniak et al.			
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